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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/805,376	03/14/2001	Jake Hill	36-1578	1537

7590 09/30/2003

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EXAMINER

CHUONG, TRUC T

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 09/30/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/805,376

Applicant(s)

HILL ET AL.

Examiner

Truc T Chuong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other:

DETAILED ACTION

Specification

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

In the abstract, "means" and "said" have been found on page 22, in lines 19, 21, and 22. Appropriate corrections are required.

Claim Objections

Claims 4, 6-8, and 12 are objected to because of the following informalities: Applicant misspells packetised, utilised, authorised and unauthorised. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Boebert et al. (U.S. Patent No. 5,596,718).

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As to claim 1, Boebert teaches an interface device comprising:

a first interface for receiving data from a first zone in a first zone data format (workstation 40, col. 4 lines 10-42, col. 5 lines 1-9);

means for processing said received data through performance of a cryptographic operation on at least a portion thereof (col. 5 lines 1-28);

a second interface for sending said processed data to a second zone in a second zone data format (col. 5 lines 35-65, and col. 5 lines 55-61); and

means arranged to pass said processed data exclusively from said processing means to said second interface (col. 5 lines 16-45).

As to claim 2, Boebert teaches an interface device as claimed in claim 1 further comprising:

means arranged to convert said received data in said first zone data format into at least one data format other than said first zone data format prior to said data processing (encryption before send out to be decrypted for display, col. 4 lines 10-35, and col. 5 lines 46-53).

As to claim 3, Boebert teaches an interface device as claimed in claim 1 further comprising:

means arranged to transform the data format of said received data from said first zone at least twice prior to said data processing (workstation 40 receives encrypted packets from the trusted path subsystem and sends them to the host computer to decrypt for display, col. 5 lines 1-9).

As to claim 4, Boebert teaches an interface device as claimed in claim 1 in which said first zone data format is packetised data, further comprising:

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means for reading at least one item of identification data from each packet (recognize the difference data and keep data from one security level from being mixed into data at a different security level, col. 7 lines 15-28); wherein

said processing means is arranged to process each respective packet in dependence on the or each corresponding item of identification data (col. 7 lines 15-28).

As to claim 5, Boebert teaches an interface device as claimed in claim 4 further comprising:

a store for storing one or more rules, each rule being linked with at least one of item of identification data (security levels, col. 7 lines 1-28); wherein

said processing means is arranged to process each packet in dependence upon the rule linked with the corresponding item(s) of identification data (col. 7 lines 1-28).

As to claim 6, Boebert teaches an interface device as claimed in claim 1 wherein one of the first and second interfaces is suitable for connection to a host such that the data format utilised by such a connected interface is one utilised by the host (col. 6 lines 55-61, and col. 5 lines 16-53).

As to claim 7, Boebert teaches an interface device as claimed in claim 5 wherein one of the first and second interfaces is suitable for connection to a host such that the data format utilised by such a connected interface is one utilised by the host in which, in response to receiving at least one control packet including at least an item of control identification data and control instructions through the interface not connected to the host and reading said item of control identification data from a control packet, said processing means is arranged to change

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said rules in said store in dependence upon said corresponding control instructions (security levels, col. 7 lines 1-28).

As to claim 8, this is a combination of claims 1 and 7. Note the rejections of claims 1 and 7 above.

As to claims 9-12, they are method claims of system claims 1-3, and 8. Note the rejection of claims 1-3, and 8 above respectively.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee et al. (U.S. Patent No. 5,625,694) teach cryptographic, encryption, decryption, authentication, and first/second interface (cols. 2-9 and figs. 1-8).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753. The examiner can normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Truc T. Chuong

09/17/03

STEVEN SAX
PRIMARY EXAMINER